

S100 fused-type proteins (SFTPs) in chicken and quail

A) Accession numbers and amino acid sequences of chicken SFTPs

>NP_001165847.1 Chicken_cornulin (CRNN)

MAQLQENINGIITVFYTYARSDGDSSTLSRGELRQLIEQEFGDVTIDARDPRTVDEVLFFLDDESSGKIDFGEFLSLIFRVAKACHRQLQQYLEPEYDQELTVQEEADGEQQHNQVLEQGVSEQVQEGGTQQHQESEEPKHNQGTTQOKQEGGTPKYQDTQKIEKSEIPKVQDTQKTQEVETPKNNESTQQKKSETPKDNQDTHQDDRAKTPEQSPKRGENVVTKSPEEDRNTQEAETPKHDPKPHQDKVTETPKLGQDHHRHELKPSEQSHTSPKTTPGGTTDCKTDHVVAHWQDPSPKGTLPPVRGTSHPDPRPSGTQHDPAHLPNPTIVREGSGAEAEHVPGQQQHGAHKGKHVAEQEHLQPQWPWPRK

>NP_001338424.2 Chicken scaffoldin (SCFN)

Antibody binding sites are shaded yellow. Additional putative binding sites with around 90% sequence conservation are present but not highlighted.

B) Amino acid sequences of SFTPs and accession numbers of the coding sequences in the genome of the Japanese quail

>Quail_cornulin (CRNN)

```
MAQLQENINGIITAFYTYARSQGDCSTLSRGELRQLIEQEFEVDVIVDARDPRTVEKVLFLDEDSSGKVDFGEFLSLVFRVAKACHR  
QQQQYLEPEDDQELTVQEEADGEQHHNQVQEQQVSEEVQESGTTQQHQEGEEEKHNDTQQKQEGETPKNQDTQNIETPKVQDT  
QQTQEVEVTNNQGTQEKKIEIPKDIQDTHQDDRATAPEEGPKRGENVVTTPEKDRNTPEAETPKHDPKLHQDKVTETPELGQNNH  
HREELEPAEQSHTSPVTPTGRTTDTNKNPSKETQELPPPVRGTDHPDPQPSGTRRDPAHPPDLTVREGSVAEAERVPGHQHG  
AHGKGKHVVEKENLQPQRPRK
```

Coding sequence (GenBank accession number NC_029540.1, nucleotide numbers 891426-891563, 890345-891316, reverse complement)

>Quail_scaffoldin (SCFN) preliminary*

```
MSHLFLDSVSTIITVFYQHAKEDGDQSKLNRRKMKEFIQKEFADAIAANPHDPQTIQKILQFLEWDGDGEIDFNEFLLVFRVAKACYW  
YLQRGQCILQRTKLITSSKTIREPEIKNRGSRQLQEEEPPQTHPPYIPEPQQDTRVQDLEIREETGSHRQQRNTESRADARQSSRPR  
EMI PQEYEEQSQEPCDQGSSRRRQPPELDRLGDIQYHKRGSILKAAQRDERQNLREQLADVRSCSHSCEPQLLPDRRSRQPREPTLP  
AYDQRNHRPQDQEAVAQARGSRRPHEPEEADGRGRRNQPRKPELLKDERSRNHLRELEQKELERSSRQPCPKPECLDSEWQHQSYLQEP  
LVI DHYRNKTREMEDIYYEQGKIQKDRRPRESMTYERTEEDIVVEAEADVEIRRETQKREGLCLEARPHESVKYVKTREDIEAEAEAD  
VEI HRVSRVREREERARRPGESVRRERTREDIVAELEGDVIERRVTQERKRVVEARRPDESARYERTREDIVAEAEVDVDIIRRVTRT  
REREDTRRPRRESVRYERTREDIVAEAEADVEIHRVSRVREREERARRPGESVRRERTREDIVAELEGDVIERRVTQERKRKEEARRP  
GEPDRYRRTREDIVAEAEADVEIHHVTRKREREDARRPHESVRYERTREDIVAEAEADVEISRVSREVERAEQARRPGESVRRERTR  
EDIVAEVEGVVKIHRVTQECRKVVEARRPDASAARYERTREDIVAEAEVDVDIIRRVSVREREERARRPGESVRRERTQEDIVAEVEG  
DVEIHRVTRKTGERGCQETQRESVRYERRWRHCG
```

Antibody binding sites are shaded yellow.

Coding sequence of SCFN gene

NC_029540.1, nucleotides 885529-885666, 882990-885305 (reverse complement)

* Because of possible sequence assembly errors in the repetitive sequence region, the sequence is considered preliminary. The coding sequence may actually be longer and include sequences up to position NC_029540.1, nucleotide 878530 (reverse complement).

C) Alignment of binding sites of the anti-scaffoldin antiserum

Chicken	RYERTREDIAAEAE
Quail	RYERTREDIVAEAE

Supplementary Figure S1. Sequences of S100 fused-type proteins (SFTPs) in chicken and quail.
The amino acid sequences of chicken cornulin (CRNN) and scaffoldin (SCFN) were downloaded using the indicated accession numbers from GenBank (**A**). Sequences of quail CRNN and SCFN were predicted on the basis of the current genome sequence of the Japanese quail (**B**). Binding sites of the anti-scaffoldin antiserum (Mlitz et al. 2014) are highlighted by yellow shading in SCFN sequences and compared between chicken and quail (**C**).